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PTO/SB/05 (08-03)

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UTILITY PATENT APPLICATION **TRANSMITTAL**

	Attorney Docket No.	1768-43-3		
S UTILITY PATENT APPLICATION	First Inventor	CHANG, Pyung Hun		
TRANSMITTAL	Title	METHOD FOR TUNING PID CONTROLLERS APPLICABLE TO NONLINEAR SYSTEMS		
(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))	Express Mail Label No.	ER 452755609 US		

	ADDI IO ATION T	LEMENTS			Mail Stop	Patent Application	
APPLICATION ELEMENTS			ADDRESS TO: Commissioner for Patents O				
See MPEF	chapter 600 concerning utility pate	nt application contents.		Alexandria VA 22313-1450			ш
See MPEP chapter 600 concerning utility patent application contents. 1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages 24] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. Drawing(s) (35 U.S.C.113) [Total Sheets 3] 5. Oath or Declaration [Total Sheets 3] a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) (for a continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR		8. Nucl (if ap a.	Alexandria VA 22313-1450 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 C.F.R. 3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed)				
6. 🗆 A	1.63(d)(2) and 1.33(b). pplication Data Sheet. See 37	CFR 1.76	17. 🗆	or its equiva Other:			
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	NTINUING APPLICATION, check a		y the requisi	te information l	below and in a	a preliminary amendment	,
	pplication Data Sheet under 37 C		4 (CID)	af maia	a amaliantina Al	In. 1	
	-	☐ Continuation-in-par miner	r (CIP)	or prio Art Un		o:/	
For CONTI	NUATION or DIVISIONAL APPS only	: The entire disclosure of the	prior applica	tion, from whic	h an oath or de	eclaration is supplied unde	r Box 5b,
be relied u	red a part of the disclosure of the ac pon when a portion has been inadve	companying or divisional apertently omitted from the sub	mitted applic	is hereby incor ation parts.	porated by refe	erence. The incorporation <u>c</u>	an only
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Signature	 \\(1			T Data	20 0-4-1 2002	

This collection of information is required by 3° CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 85 U.S.C. 122 and 37 CFP 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or/suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PATENT APPLICATION - CERTIFICATE OF EXPRESS MAILING

Inventors:

CHANG, Pyung Hun

JUNG, Je Hyung

Title of Invention:

METHOD FOR TUNING PID CONTROLLERS APPLICABLE

TO NONLINEAR SYSTEMS

Attorney Dkt. No.: 1768-43-3

CERTIFICATE OF EXPRESS MAILING

"Express Mail" mailing label number: ER 452755609 US

Date of Deposit: 29 October 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR, Section 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by

Tùddv Denbv

Enclosures:

Application Transmittal Form

Fee Transmittal Form

Check No. 21161 in the amount of \$415

Combination Declaration/Power of Attorney

Recordation Form Cover Sheet

Assignment

Preliminary Amendment

Patent Application (24 pages)

Drawings (10 sheets)

Certified copy of priority document (Korean App. No. 10-2003-0006597)

IDS Transmittal

Form 1449 w/cited references (8)

Return postcard

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL	AMOUNT	OF	PAYMENT	18
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	Complete if Known				
Application Number					
Filing Date	29 October 2003				
First Named Inventor	CHANG, Pyung Hun				
Examiner Name					
Art Unit		-			
Attorney Docket No.	1768-43-3				

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)				
☑ Check ☐ Credit card ☐ Money ☐ Other ☐ None		3. ADDITIONAL FEES				
Order Deposit Account:		Entity	Small E	ntity		
Deposit	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account 07-1897	1051	130	2051	65	Surcharge - late filing fee or oath	
Number	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
Deposit	1053	130	1053	130	Non-English specification	
Account Graybeal Jackson Haley LLP	1812	2,520	1812	2,520	For filing a request for reexamination	
Name The Director is authorized to: (check all that apply)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
☐ Charge fee(s) indicated below ☐ Credit any overpayments ☐ Charge any additional fee(s) during the pendency of this application	1805	1,840*	1805	1,840*		
☐ Charge fee(s) indicated below, except for the filing fee	1251	110	2251	55	Extension for reply within first month	
to the above-identified deposit account. FEE CALCULATION	1252	410	2252	205	Extension for reply within second month	
	1253	930	2253	465		
1. BASIC FILING FEE	1254	1,450	2253	725	Extension for reply within third month	
Large Entity Small Entity Fee Fe					Extension for reply within fourth month	
Code (\$) Code (\$) Fee Paid	1255	1,970	2255	985	Extension for reply within fifth month	
1001 750 2001 375 Utility filing fee 375	1401	320	2401	160	Notice of Appeal	
1002 330 2002 165 Design filing fee	1402	320	2402	160	Filing a brief in support of an appeal	
1003 520 2003 260 Plant filing fee	1403	280	2403	140	Request for oral hearing	
1004 750 2004 375 Reissue filing fee 1005 160 2005 80 Provisional filling fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1000 100 2000 00 Provisional limiting liee	1452	110	2452	55	Petition to revive - unavoidable	
SUBTOTAL (1) (\$) 375	1453	1,300	2453	650	Petition to revive - unintentional	
	1501	1,300	2501	650	Utility issue fee (or reissue)	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1502	470	2502	235	Design issue fee	
Extra Fee from Fee Claims below Paid	1503	630	2503	315	Plant issue fee	
Total Claims 5 -20 ** = 0 X = 0	1460	130	1460	130	Petitions to the Commissioner	
Independent	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
Claims 1 -3 ** = 0 X = 0	1806	180	1806	180	Submission of Information Disclosure Stmt	
Multiple Dependent Large Entity Small Entity	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
Fee Fee Fee Fee Description	1809	750	2809	375	Filing a submission after final rejection	
Code (\$) ————					(37 CFR § 1.129(a))	
1202 18 2202 9 Claims in excess of 20	1810	750	2810	375	For each additional invention to be	
1201 84 2201 42 Independent claims in excess of 3					examined (37 CFR § 1.129(b))	—
1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 42 ** Reissue independent claims over	1801	750	2801	375	Request for Continued Examination (RCE)	
original patent	1802	900 l	1802	900	Request for expedited examination of a design application	
1205 18 2205 9 Reissue daims in excess of 20 and over original patent	Other f	oo (enoci	6.0			\vdash
SUBTOTAL (2) (\$) 0	Other fee (specify)					
	*Redu	ced by Ba	asic Filine	Fee P	aid SUBTOTAL (3) (8) 40	
**or number previously paid, if greater; For Reissues, see above				/	(\$) 40	
CHEMITTED BY				==		

omplete (if applicable) Registration No. Name (Print/Type) (Attorney/Agent) 45.796 Telephone 425-455-5575 Signature 29 October 2003

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